

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): ~~Method~~ A method for the production of machine parts at least partially lined with a mineral casting, whereby the mineral casting is cast into at least one housing element ~~(1, 2)~~ of the machine part acting as a casting mold, so that the mineral casting forms a lining element ~~(5)~~ that is adapted to the inner contour of the housing element, after it hardens, wherein the inner surfaces of the housing element ~~(1, 2)~~ are treated with a parting agent ~~(3)~~ before casting occurs.

Claim 2 (currently amended): ~~Method~~ The method according to claim 1, wherein the wall thickness of the lining element ~~(5)~~ is predetermined by a core ~~(4)~~ that is located in the housing element ~~(1, 2)~~ during the casting process.

Claim 3 (currently amended): ~~Method~~ The method according to claim 1, wherein a mixture of a binder with a filler is used as the mineral casting, whereby the filler is a fine-grained wear-resistant and corrosion-resistant material, ~~such as, in~~

~~particular, silicon carbide, quartz sand, glass, ceramic, or a mixture of these materials.~~

Claim 4 (currently amended): ~~Method~~ The method according to claim 3, wherein a synthetic resin hardener system that cures when heat is applied is used as the binder.

Claim 5 (canceled).

Claim 6 (currently amended): ~~Method~~ The method according to claim 1, wherein the housing element is a mantle housing part of a spiral housing of a centrifugal pump.

Claim 7 (currently amended): ~~Method~~ The method according to claim 6, comprising the following method steps:

- at least two mantle housing parts ~~(1, 2)~~ that are connected with one another and have been treated with the parting agent ~~(3)~~ on their inner surface have the mineral casting cast into them, whereby a core ~~(4)~~ is located in the interior of the mantle housing parts, which predetermines the wall thickness of the lining element ~~(5)~~ during the casting process;
- after the mineral casting has hardened, partially or completely, the mantle housing parts ~~(1, 2)~~ are separated from one another;

- the core ~~(4)~~ that is surrounded at least partially by the one-piece lining element ~~(5)~~ is destroyed and removed;
- the mantle housing parts ~~(1, 2)~~ are joined together again.

Claim 8 (currently amended): ~~Method~~ The method according to claim 6, comprising the following method steps:

- at least two mantle housing parts ~~(1, 2)~~ that have been treated with the parting agent ~~(3)~~ on their inner surface have the mineral casting cast into them, whereby the wall thickness of the lining element ~~(5)~~ is predetermined by a core ~~(4)~~ during the casting process, in each instance;
- after the mineral casting has hardened, partially or completely, the core ~~(4)~~ is removed;
- the mantle housing parts ~~(1, 2)~~ lined with the mineral casting are joined together, whereby the sealing surfaces of the lining elements ~~(5)~~ are sealed.

Claim 9 (currently amended): ~~Method~~ The method according to claim 8, wherein the casting mold formed by the mantle housing parts ~~(1, 2)~~ and the core ~~(4)~~, in each instance, is configured in such a manner that the lining elements ~~(5)~~ project out of the mantle housing parts ~~(1, 2)~~ by several millimeters in the region of the sealing surfaces.

Claim 10 (currently amended): : ~~Method~~ The method
according to claim 8, wherein the casting mold formed by the
mantle housing parts ~~(1, 2)~~ and the core ~~(4)~~, in each instance,
is configured in such a manner that the lining elements ~~(5)~~ lie
behind the screw connection collars ~~(10, 11)~~ of the mantle
housing parts ~~(1, 2)~~, or end flush with them.

Claim 11 (currently amended): ~~Centrifugal~~ A centrifugal
pump having at least one impeller and at least one impeller
chamber ~~(6)~~ that accommodates the impeller, which chamber is
lined at least in part with lining elements ~~(5)~~ of mineral
casting, whereby the lining elements ~~(5)~~ are surrounded by a
metallic mantle housing that consists of at least two mantle
housing parts ~~(1, 2)~~ into which the lining elements ~~(5)~~ are cast,
wherein a gap ~~(3)~~ filled with a parting agent exists between the
outer surfaces of the lining elements ~~(5)~~ and the inner surfaces
of the mantle housing parts ~~(1, 2)~~.

Claim 12 (new): The method according to claim 3 wherein the
filler is selected from the group consisting of silicon carbide,
quartz sand, glass, ceramic, and a mixture of these materials.